

# Chikushi Forum of Environmental and Energy Sciences

*The Memorial Symposium of Late Professor Yasutake Teraoka*

October 9 (Fri.), 2015

Main Conference Room, Administrative Offices Building 3F,  
Chikushi Campus, Kyushu University  
6-1 Kasuga-koen, Kasuga, Fukuoka, 816-8580, Japan

## Organized by

Research and Education Center for Advanced Energy Materials, Devices, and Systems,  
Kyushu University  
Research and Education Center of Carbon Resources, Kyushu University  
Green Asia Education Center, Kyushu University

## Co-organized by

Interdisciplinary Graduate School of Engineering Sciences, Kyushu University  
Research Center for Synchrotron Light Applications, Kyushu University  
CAMPUS Asia EEST, Kyushu University

## Program

(Chair: Prof. Hideo Nagashima)

9:00~9:30      Opening  
                  Prof. Hideharu Nakashima (Kyushu University)  
                  Prof. Kengo Shimano (Kyushu University)  
                  Prof. Sudarto Notosiswoyo (Institut Teknologi Bandung, Indonesia)  
                  Dr. Yasuharu Hirai (Kyushu Synchrotron Light Research Center)

(Chair: Prof. Maiko Nishibori)

9:30~10:00    “X-ray Absorption Fine Structure (XAFS) Study on Polymerization  
                  Mechanism of 3-hexylthiophene with Solid FeCl<sub>3</sub> Catalyst”  
                  Prof. Atsushi Takahara and Dr. Tomoyasu Hirai (Kyushu University)

10:00~10:30    “Synergistically Catalytic Purification of Air Pollutants by Multiple Physical  
                  Fields”

Prof. Wenfeng Shangguan (Shanghai Jiao Tong University, China)

10:30~10:45 Break

(Chair: Prof. Tetsuo Tanabe)

10:45~11:15 “Observation of Tube Vortex in the Swirl-stabilized Pulverized Coal Flames”  
Prof. Gyung-Min Choi (Pusan National University, Korea)

11:15~11:45 “Applications of Fibrous Perovskite Catalysts for Energy Conversion”  
Prof. Yong-Gun Shul (Yonsei University, Korea)

(Chair: Prof. Michitaka Ohtaki)

11:45~12:15 “Selective Catalytic Reduction of NO<sub>x</sub> with NH<sub>3</sub> over One-pot Synthesized  
Cu-SSZ-13 Catalyst”  
Prof. Hong He (Research Center for Eco-Environmental Sciences, Chinese  
Academy of Sciences, China)

12:15~13:00 Lunch

(Chair: Prof. Seigi Mizuno)

13:00~14:15 Session by Former Teraoka Laboratory Members  
Prof. Hisahiro Einaga and Prof. Maiko Nishibori (Kyushu University)

(Chair: Prof. Ken Kojio)

14:15~14:45 “Nanoscale Structure Control of Electrode Materials for Energy Storage  
Devices”  
Prof. Isamu Moriguchi (Nagasaki University)

(Chair: Prof. Hisahiro Einaga)

14:45~15:15 “Nanostructured Titanates and Their Derivatives: New Electrodes for Energy  
Conversion and Storage”  
Prof. Mingdeng Wei (Fuzhou University, China)

15:15~15:45 “Low-cost, Sustainable Materials for Energy and Environmental Applications”  
Dr. Nitin K. Labhsetwar (National Environmental Engineering Research  
Institute, India)

15:45~16:00 Break

(Chair: Prof. Seong-Ho Yoon)

16:00~16:30 “Development of Fuel Cells in Korea”

Dr. Doo-Hwan Jung (Korea Institute of Energy Research, Korea)

16:30~17:00 “Catalytic Treatments of Exhausts from Internal-combustion Engines”

Prof. Masakazu Iwamoto (Chuo University, Professor Emeritus, Tokyo  
Institute of Technology)

(Chair: Prof. Shigeto Okada)

17:00~17:30 “Mixed Conducting Perovskite Oxide for Diesel Particulate Matter Oxidation”

Prof. Tatsumi Ishihara (Kyushu University)

17:30~17:45 Closing

Prof. Akira Harata (Kyushu University)

Prof. Jun-ichiro Hayashi (Kyushu University)

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**Symposium Secretariat Office**

Masayoshi Makino, Yasuaki Shimizu, and Prof. Hideo Nagashima

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